



NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM

The New Jersey Department of Environmental Protection hereby grants you a NJPDES permit for the facility/activity named in this document. This permit is the regulatory mechanism used by the Department to help ensure your discharge will not harm the environment. By complying with the terms and conditions specified, you are assuming an important role in protecting New Jersey's valuable water resources. Your acceptance of this permit is an agreement to conform with all of its provisions when constructing, installing, modifying, or operating any facility for the collection, treatment, or discharge of pollutants to waters of the state. If you have any questions about this document, please feel free to contact the Department representative listed in the permit cover letter. Your cooperation in helping us protect and safeguard our state's environment is appreciated.

Permit Number: NJ0026671

Final: Minor Modification Stormwater Discharge

Permittee:
PHILLIPS 66 CO
1400 PARK AVE
LINDEN, NJ 07036

Co-Permittee:

Property Owner:
PHILLIPS 66 CO
1400 PARK AVE
LINDEN, NJ 07036

Location Of Activity:
PHILLIPS 66 CO
1400 PARK AVE
LINDEN, NJ 07036

Authorization(s) Covered Under This Approval	Issuance Date	Effective Date	Expiration Date
RF -Stormwater	04/30/2007	06/01/2007	05/31/2012

Minor Modification for Transfer of Ownership: Issued: 05/01/2012 Effective: 04/26/2012

By Authority of:
Commissioner's Office

DEP AUTHORIZATION
Brian McLendon, Supervisor
Industrial Stormwater Permitting
Bureau of Nonpoint Pollution Control
Division of Water Quality

MF: 962/PI: 46322

(Terms, conditions and provisions attached hereto)

PART II

GENERAL REQUIREMENTS: DISCHARGE CATEGORIES

A. Additional Requirements Incorporated By Reference

1. No Additional Requirements Incorporated by Reference

B. General Conditions

1. Scope

- a. The issuance of this permit shall not be considered as a waiver of any applicable federal, state, and local rules, regulations and ordinances.

2. Permit Renewal Requirement

- a. Permit conditions remain in effect and enforceable until and unless the permit is modified, renewed or revoked by the Department.
- b. Submit a complete permit renewal application: 180 days before the Expiration Date.

3. Notification of Non-Compliance

- a. The permittee shall notify the Department of all non-compliance when required in accordance with N.J.A.C. 7:14A-6.10 by contacting the DEP HOTLINE at 1-877-WARNDEP (1-877-927-6337).
- b. The permittee shall submit a written report as required by N.J.A.C. 7:14A-6.10 within five days.

4. Notification of Changes

- a. The permittee shall give written notification to the Department of any planned physical or operational alterations or additions to the permitted facility when the alteration is expected to result in a significant change in the permittee's discharge and/or residuals use or disposal practices including the cessation of discharge in accordance with N.J.A.C. 7:14A-6.7.
- b. Prior to any change in ownership, the current permittee shall comply with the requirements of N.J.A.C. 7:14A-16.2, pertaining to the notification of change in ownership.

5. Access to Information

- a. The permittee shall allow an authorized representative of the Department, upon the presentation of credentials, to enter upon a person's premises, for purposes of inspection, and to access / copy any records that must be kept under the conditions of this permit.

6. Summary of Stormwater Permit Requirements

- a. The permittee shall discharge stormwater to surface waters of the State only as authorized herein and consistent with the terms and conditions of this permit. This permit does not authorize any unpermitted discharge of domestic wastewater, non-contact cooling water, leachate, or process water.
- b. The Permit may contain both numeric and non-numeric effluent limitations and the monitoring and reporting requirements for each.
 - i. Numeric effluent limitations may be imposed to limit the discharge of a specific pollutant in the stormwater discharge pursuant to N.J.A.C. 7:14A-11, 12 and 13. Monitoring and reporting shall be conducted in accordance with Part III of the permit.
 - ii. The non-numeric effluent limitations consist of Best Management Practices (BMPs) for source control and pollution prevention contained in the Stormwater Pollution Prevention Plan (SPPP). These practices apply to all industrial activities at the facility which may adversely affect stormwater discharge. The BMPs are monitored for effectiveness through routine inspections and the results reported on inspection reports maintained at the facility.
- c. The permittee shall prepare a SPPP for the facility that includes the identification of BMPs for source control and pollution prevention. The SPPP shall be prepared in accordance with the section "Preparation and Implementation of SPPP" contained in Part IV and Attachment 1 of the permit.
 - i. The permittee shall certify that the SPPP was prepared and implemented in accordance with the submittal requirements contained in Part IV of the permit.
- d. The permittee shall conduct annual inspections to assess all areas contributing to the stormwater discharge authorized by this permit, to evaluate effectiveness of the SPPP and whether additional measures are required. Specific requirements for the annual inspection is contained in the "Operation and Maintenance" section of Part IV of the permit.
- e. The permittee shall prepare once a year, an annual report summarizing the findings of the annual inspection and submit an annual certification that the facility is in compliance with its SPPP and this permit. The annual report and recertification shall be prepared and submitted in accordance with the "Reporting" and "Submittal" sections of Part IV of the permit.

7. Other Discharges

- a. If, the permittee generates (or discovers that the facility generates) and discharges to surface waters any domestic wastewater, non-contact cooling water, or process waste water (including leachate and cooling water), the permittee shall discontinue such discharges, apply for the appropriate NJPDES DSW permit in accordance with the NJPDES rules at N.J.A.C. 7:14A, or handle these discharges in accordance with an authorized NJPDES Discharge to Surface Water Permit.

8. Operator Certification

- a. For stormwater only discharges pursuant to N.J.A.C. 7:10A-1.10, the facility operator is exempt from the operator certification requirements unless otherwise required by this permit .

9. Monitoring Locations

- a. All samples shall be taken at the monitoring points specified in Part IV of this permit and, unless otherwise specified, before the effluent joins or is diluted by any other wastestream, body of water or substance. Sampling points shall not be changed without notification to and the approval of the Department.

10. Stormwater/Intermittent Discharges

- a. The permittee is required ensure that samples and measurements taken for the purposes of monitoring are representative of the monitored activity pursuant to N.J.A.C. 7:14A-6.5(a). This includes any regulated intermittent activity or discharge. Therefore, although a discharge may occur on an intermittent basis, it does not exempt the permittee from complying with the conditions of the permit. For example, if a permittee has a monthly monitoring and reporting requirement and the discharge occurs three separate times during the month, the permittee should obtain a sample during at least one of the discharge events occurring during the monitoring period.
 - i. The permittee should check "No Discharge this monitoring period" on the monitoring report transmittal sheet only if there are no discharge events during the entire reporting period.

11. Removed Substances/Residuals

- a. This permit does not authorize discharge of solids, sludge, filter backwash or other pollutants removed in the course of treatment or control to the waters of the State unless specifically authorized in this permit. All solids, sludge, filter backwash, or other pollutants removed from, or resulting from the treatment or control of discharges must be disposed of in accordance with all applicable Federal, State, Local and other appropriate agency requirements.

12. Outfall Tagging

- a. All permittees with discharges that flow through an outfall pipe, unless the outfall pipe is completely and continuously submerged or is not assigned a Discharge Serial Number (DSN), shall identify the outfall with an outfall tag: The outfall tag shall be:
 - i. legible;
 - ii. located as near to the end of the outfall as possible;
 - iii. made of durable material such as metal; and
 - iv. maintained on a regular basis, such as cleaned and inspected to ensure that the tag is properly attached.
- b. The outfall tag shall display, at minimum, the following information:
 - i. the name of the facility where the discharge originates;
 - ii. the NJPDES permit number;
 - iii. the Department Hotline phone number; and
 - iv. the Discharge Serial Number for that particular outfall.
- c. The monitoring location shall be clearly delineated and include the information from above, in as close proximity as practicable, avoiding hazardous conditions.

PART III LIMITS AND MONITORING REQUIREMENTS

MONITORED LOCATION GROUP: Stormwater Monitoring

Monitored Location Group Members

006A Stormwater Outfall, 007A Stormwater Outfall, 008A Stormwater Outfall, 009A Stormwater Outfall, 014A Stormwater Outfall, 017A Stormwater Outfall, 018A Stormwater Outfall, 019A Stormwater Outfall

Surface Water DMR Reporting Requirements:

Submit a Quarterly DMR: due 25 calendar days after the end of each quarter.

Table III - A - 1: Surface Water DMR Limits and Monitoring Requirements

PHASE: Final **PHASE Start Date:** 06/01/2007 **PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Limit	Limit	Limit	Frequency	Sample Type
pH	Effluent Gross Value	*****	*****	*****	6.0 Daily Minimum	*****	9.0 Daily Maximum	SU	*****	*****	*****	1/Quarter	Grab
	QL	***	***	***	***	***	***						
Solids, Total Suspended	Effluent Gross Value	*****	*****	*****	*****	*****	REPORT Monthly Average	*****	REPORT Monthly Average	REPORT Daily Maximum	REPORT Daily Maximum	1/Quarter	Grab
	QL	***	***	***	***	***	***						
Petrol Hydrocarbons, Total Recoverable	Effluent Gross Value	*****	*****	*****	*****	*****	REPORT Daily Average	*****	REPORT Daily Average	15 Daily Maximum	15 Daily Maximum	1/Quarter	Grab
	QL	***	***	***	***	***	***						
Carbon, Tot Organic (TOC)	Effluent Gross Value	*****	*****	*****	*****	*****	*****	*****	*****	REPORT Daily Maximum	REPORT Daily Maximum	1/Quarter	Grab
	QL	***	***	***	***	***	***						

Surface Water WCR - Quarterly Reporting Requirements:

Submit a Quarterly WCR: due 25 calendar days after the end of each quarter.

Table III - A - 2: Surface Water WCR - Quarterly Limits and Monitoring Requirements
PHASE: Final PHASE Start Date: 06/01/2007 PHASE End Date:

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Date of Storm Event	Precipitation	REPORT	YYYYMMDD	Calculated	January thru December
Time Storm Event Began	Precipitation	REPORT	HHMM	Calculated	January thru December
Storm Event Duration	Precipitation	REPORT	MINUTES	Calculated	January thru December
Hours Since Last Storm Event	Precipitation	REPORT	# HOURS	Calculated	January thru December
Time of Sample Collection	Precipitation	REPORT	HHMM	Calculated	January thru December
Rainfall Amount at Time of Sampling	Precipitation	REPORT	# INCHES	Calculated	January thru December
pH	Precipitation	REPORT	SU	Calculated	January thru December

PART IV

SPECIFIC REQUIREMENTS: NARRATIVE

Notes and Definitions

1. Stormwater Notes

- a. The following notes refer to the limit and monitoring requirements contained in the tables located in Part III of the permit.
 - i. No visible sheen. The parameter Petroleum Hydrocarbons shall be analyzed in accordance with N.J.A.C. 7:14A-12.8 et seq.
 - ii. The term "Daily Min." means to report minimum value obtained (usually only applied to pH).
 - iii. The term "Average" means to report the average value of the results.
 - iv. The term "Daily Max." means to report the analytical result which yielded the highest concentration.
 - v. "NL" means not limited, but monitoring and reporting is required.
 - vi. Reporting of analytical results shall follow the procedures described in the Department's "Discharge Monitoring Report Instruction Manual" (latest revision).
 - vii. Grab sample shall be collected at the designated sampling points and shall be collected during the first 30 minutes (or as soon thereafter as practicable) after the start of the stormwater discharge (ASWD). For sampling, follow guidelines in, "NJDEP Field Sampling Procedures Manual", latest edition.
 - viii. pH values that are measured below lower pH limit are not in violation if they are not lower than the measured pH of the precipitation collected on site during the storm event. To qualify for this exception, pH of that precipitation must be reported on the monitoring report form as "Rain" pH.
 - ix. A "discernible, confined and discrete conveyance" includes, but is not limited to, a pipe, ditch or channel. Examples of such conveyances include storm sewer pipes, drainage ditches, spillways, gullies, swales, gutters, curbs and streets.
 - x. "Drainage Control" shall be required in all point source areas where there are stormwater discharges associated with industrial activity. Drainage control can be established using diversionary structures, grading, embankments, collection systems and other similar methods to divert stormwater from the industrial area of the site to a permitted outfall. The site may require several outfalls to establish drainage control. In point source areas of industrial activity that cannot be diverted to a permitted outfall, the permittee shall do the following: convert the area(s) so there is no direct discharge of stormwater to surface water, or; cease all industrial activity and eliminate exposure of source material, including source material remaining from past industrial activity.

2. Stormwater Definitions

- a. Unless otherwise stated in this permit, the definitions set forth at N.J.A.C. 7:14A-1.2 and Discharge Monitoring Report (DMR) Instruction Manual are incorporated into this permit.

- i. "Design criteria" is a pollutant concentration that the Department has determined that when exceeded represents a level of concern. Design criterion are established as "design goals" for Best Management Practices (BMPs) and/or treatment, and are not established as numeric effluent limitations.
- ii. "DMR" means a Discharge Monitoring Report form prepared by the Department.
- iii. "EDP" means Effective Date of the Permit.
- iv. "mg/L" means milligrams per liter.
- v. "Outfall" shall mean (a) a point within the facility at which stormwater associated with the facility's industrial activity enters a surface water body from a discernible, confined and discrete conveyance; or (b) a point at which stormwater associated with the facility's industrial activity enters a surface water body from a discernible, confined and discrete conveyance for transport as stormwater to an offsite surface water body.
- vi. "Process wastewater" means any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, or waste product. Process wastewater includes, but is not limited to, "leachate" and cooling water other than " non-contact cooling water". (Please note that for the purposes of this NJPDES permit, the stormwater discharges regulated by this permit are not process wastewater)
- vii. "Quarterly Monitoring "means monitoring conducted at a minimum frequency of once every three calendar months, beginning with the EDP unless there is a different period specified in the permit.
- viii. "Separate Storm Sewer" means a conveyance or system of conveyances (including roads with drainage systems, streets, catch basins, gutters, ditches, man-made channels, or storm drains): 1. Designed or used for collecting or conveying stormwater; 2. Which is not part of a combined sewer system; and 3. Which is not part of a publicly owned treatment works (POTW)
- ix. "Source materials" means any materials or machinery located at the facility and directly or indirectly related to process or other industrial activities which could be a source of pollutants in a stormwater discharge associated with industrial activity that is subject to N.J.A.C. 7:14A-11.5. Source materials include, but are not limited to: raw materials; intermediate products; final products; waste materials; by-products; industrial machinery and fuels; and lubricants, solvents, and detergents that are related to process or other industrial activities. Material or machinery that are not exposed to stormwater or that are not located at the facility are not "source materials".
- x. "Stormwater" means stormwater runoff, snow melt runoff, surface runoff and drainage
- xi. "WCR" means a Wastewater Characterization Report form prepared by the Department.

Stormwater

A. Monitoring

1. Monitoring Schedule

- a. The permittee shall monitor its stormwater discharge in accordance with the monitoring requirements contained in Part III of the permit.
 - i. Bayway Refinery shall submit quarterly Monitoring Report Forms (MRFs) beginning with the EDP.
 - ii. For example, if monitoring is required to be quarterly and means every three months beginning with the effective date of permit (EDP). Monitoring Report Forms are due by the 25th day of the month, immediately following the quarterly monitoring period. For example, if a monitoring period is quarterly and the EDP is January 1st, then the monitoring shall occur between January 1st and March 31st with the DMRs submitted to the Department by no later than April 25th.

2. Criteria for a Valid Storm Event

- a. The criteria for a valid storm event is any precipitation that produces a stormwater discharge.

3. Criteria for Monitoring a Valid Storm Event

- a. The permittee shall monitor its stormwater discharge during a valid storm event from the outfalls designated in the Drainage Control Plan (DCP).
 - i. If the permittee controls the discharge of its stormwater by the use of a sump pump, valve, or other means and does not discharge during a precipitation event, then the facility shall monitor its stormwater discharge at the time of the discharge.

4. Monitoring Locations

- a. Samples taken in compliance with the specified monitoring requirements contained in Part III shall be taken at the following locations:
 - DSN006A - S1: refinery access road;
 - DSN007A - S2: diesel tankfield;
 - DSN008A - S3-S5: butane sphere drainage area;
 - DSN009A - S6: butane sphere drainage area;
 - DSN014A - S13: refinery access road;
 - DSN017A - draining Forty Acre Tankfield (previously DSN001 - NJ026671);
 - DSN018A - draining Rahway River Tankfield (previously DSN001 - NJ0026662); and
 - DSN019A - draining Rahway River Tankfield (previously DSN002 - NJ0026662).
 - i. All samples shall be taken at the monitoring points specified above, and in all cases be before the effluent joins or is diluted by any other wastestream, body of water or substance.
 - ii. Sampling points shall not be changed without notification to and the approval of the Department.
 - iii. Monitoring locations shall be included on the Drainage Control Plan map as detailed in Part IV Section F.

5. Collection and Analysis of Samples

- a. Stormwater samples shall be collected (the facility can collect their own sample) and analyzed by a New Jersey certified laboratory (N.J.A.C 7:18).

- b. All samples shall be analyzed in accordance with approved EPA methods contained in 40 CFR Part 136, unless otherwise noted below.
- c. The permittee may take samples and have analysis made by a New Jersey Certified laboratory on additional occasions to those specified in this permit. If so, the maximum values of all analytical results taken during the sampling period shall be reported. In addition, if an average value is required to be reported, all sample results must be used when calculating the average. However, for pH, both minimum and maximum values are reported.
- d. If only one analysis for a given parameter is made during any monitoring period specified in this permit, the result of such analysis shall be construed as the maximum value for that parameter, for said monitoring period.

B. Reporting

1. Stormwater Monitoring Report Forms

- a. Sampling results shall be summarized and reported in accordance with the requirements contained in Part III of this permit on the appropriate monitoring report forms mailed separately by the Bureau of Permit Management.
 - i. If the permittee finds that the pre-printed monitoring report forms they receive from the Department contain errors or discrepancies from the monitoring and reporting requirements contained in Part III. The permittee should immediately contact their case manager at the Bureau of Nonpoint Pollution Control at (609) 633-7021.
 - ii. The permittee is required to monitor its stormwater discharge and submit appropriate monitoring report forms to the Department in accordance with conditions of permit even if pre-printed monitoring report forms contain errors.
 - iii. The permittee shall make hand corrections to the monitoring report forms if corrected forms are not received prior to the monitoring report due date.

2. Reporting "No Discharge"

- a. If a discharge does not occur during a particular reporting period, the permittee should check "No Discharge this monitoring period" on the monitoring form transmittal sheet for each discharge monitoring location which had "no discharge".
- b. The Department shall compare all reports of "No Discharge" against information provided by Premium AccuWeather services (https://www1.accuweather.com/premium_login.php) to determine if a discharge has occurred.

3. Mailing Monitoring Report Forms

- a. Authorized copies of required monitoring report forms shall be electronically submitted no later than the 25th day of the calendar month following the completed monitoring period.
- b. If monitoring report forms can not be submitted electronically, signed copies of required monitoring report forms shall be submitted postmarked no later than the 25th day of the calendar month following the completed monitoring period to the address given below:.

- i. New Jersey Department of Environmental Protection
Bureau of Permits Management
P.O. Box 029
Trenton, New Jersey 08625-0029
Attn. Monitoring Reports

4. Annual Inspections, Reports and Recertifications

- a. The permittee shall conduct annual inspections of the facility in accordance with N.J.A.C 7:14A-24.9(a) to assess all areas contributing to the stormwater discharge authorized by this permit, to evaluate whether the SPPP complies with and is implemented in accordance with this permit, and whether additional measures are needed to meet the conditions of this permit.
- b. The permittee shall prepare an annual report.
 - i. The report shall be completed prior to the annual recertification submission date.
 - ii. The report shall be retained by the permittee in accordance with Part IV Section C. for a period of at least five (5) years.
- c. The annual report shall be submitted with the annual recertification.
- d. The annual report shall summarize the findings of the annual inspection in accordance with a. above, including the following.
 - i. The date of inspection.
 - ii. Name(s) and title(s) of the inspector.
- e. The annual report shall include a summary comparing the MRF data with the design criteria concentrations. This summary shall include the following.
 - i. An explanation of two (2) or more exceedances of the design criteria for the same parameter.
 - ii. Changes and/or upgrades to BMPs to meet design criteria concentrations.
 - iii. A discussion of the effectiveness of the BMP changes and/or upgrades.
- f. The permittee shall annually certify on a form provided by the Department that the facility has completed their annual report as specified above and is in compliance with the SPPP and this permit.
 - i. The annual recertification shall be submitted in accordance with Part IV Section D of the permit.
 - ii. Any incidents of non-compliance shall be identified in the certification. This shall include the steps being taken to remedy the non-compliance, and to prevent such incidents from recurring.
 - iii. A summary of any modifications (if any) should be included in the SPPP and submitted to the Central Bureau of Water Compliance and Enforcement, and the Bureau of Nonpoint Pollution Control.

5. Reporting Storm Event Information

- a. In order for the Department to better assess the monitoring results provided by the permittee, the Department requires that supplemental storm event information is recorded and reported along with monitoring results.

- b. The permittee shall record and submit on Wastewater Characterization Report forms provided by the Department, the following storm event information:
 - i. date and approximate time that storm event began;
 - ii. an estimate of the inches of rainfall or snowfall, which can be based upon such data as recorded by a local weather monitoring station(s) or an on site maintained monitoring station;
 - iii. storm event duration in hours and/or minutes, as appropriate;
 - iv. date and time that grab sample was collected.
 - v. pH of the rain (optional).
- c. Storm event information shall be reported once for each storm event that is sampled.

C. Record Keeping

1. Record Keeping Requirements

- a. The permittee shall retain records of all monitoring information, maintenance records, and copies of all reports required by this permit for a period of at least five years.

2. SPPP Record Keeping Requirements

- a. The SPPP shall be signed by the permittee, and the original shall be retained at the facility for use and inspection by the Department.
- b. The SPPP must be made available, upon request, to a representative of the Department and to the owner and operator of any municipal separate storm sewer receiving the stormwater discharge.
- c. The SPPP shall be made available to the public upon request.
- d. The facility may claim any portion of the SPPP as confidential in accordance with the provisions set forth in N.J.A.C. 7:14A-18.2.

3. Soil Erosion and Sediment Control Plan Record Keeping

- a. If the permittee is required to implement a Soil Erosion and Sediment Control Plan as a result of construction activities or land disturbance greater than or equal to one (1) acre. A copy of the plan shall be retained by the permittee for a period of at least 5 years after the completion of construction.

D. Submittals

1. SPPP Preparation Certification and SPPP Implementation Certification Submittal Requirements

- a. A Stormwater Pollution Prevention Plan (SPPP) shall be prepared and certified in accordance with the SPPP Preparation Certification, and implemented and certified in accordance with the SPPP Implementation Certification. These forms shall be submitted on the Certification Form provided by the Department in accordance with the submittal schedule below:
 - i. Submit an SPPP Preparation Certificate: within six (6) months from the effective date of the permit (EDP).

- ii. Submit an SPPP Implementation and Inspection Certification: within eighteen (18) months from the effective date of the permit (EDP).
- iii. This certification form is available on the Department Website at <http://www.state.nj.us/dep/dwq/forms.htm#stormforms>.
- iv. Copies of the SPPP shall be submitted to the Department's Central Bureau of Water Compliance and Enforcement and the Bureau of Nonpoint Pollution Control within six (6) months from the effective date of the permit (EDP).

2. Annual Recertification

- a. Annual Inspection, Annual Report and Annual Recertification shall be performed in accordance with Part IV Section B of the permit.
 - i. Submit an Annual Recertification Form, annually beginning thirty (30) months from the effective date of the permit (EDP).

E. Operations and Maintenance

1. Facility and BMP Operation and Maintenance

- a. The permittee shall be responsible for supervising and managing the operation and maintenance of this facility and any BMPs which are installed or used by the permittee to achieve compliance with the conditions of this permit and with the requirements identified in the Stormwater Pollution Prevention Plan. Proper operation and maintenance also requires the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit.
- b. The operation and maintenance activities shall be verified through the certification and annual reporting requirements of Part IV Section B.
- c. Frequent and thorough inspections, at a frequency of at least quarterly, are necessary to ensure adequate functioning of control measures.
 - i. Inspections during dry periods allow facilities to identify and address any problems prior to a storm event, thereby minimizing the chance for storm water contamination.
 - ii. Inspections during significant storm events ensure that measures are functioning as originally intended and provide an opportunity for facilities to observe what materials and/or activities are exposed to stormwater.

2. Soil Erosion Sediment Control Plan

- a. For construction activities disturbing one (1) acre or more of total land area, authorization shall be obtained under either a modification to this permit or under NJPDES Permit No. NJ0088323 (General Stormwater Permit Construction Activity), for stormwater from such construction activities that would be discharged to surface waters.
- b. Land disturbances that may result in a stormwater discharge authorized by this permit, shall be executed only in accordance with a soil erosion and sediment control plan certified pursuant to N.J.S.A. 4:24-43, or requirements for soil erosion and sediment control established in or pursuant to a municipal ordinance in accordance with N.J.S.A. 4:24-48, whichever is applicable.
- c. A copy of this plan shall be retained by the permittee for a period of at least 5 years after the completion of construction.

F. Stormwater Pollution Prevention Plan

1. SPPP Minimum Requirements

- a. The SPPP must address all stormwater discharges associated with industrial activity and/or source materials at the facility, including drainage areas where stormwater commingles with cooling water before discharging.
- b. The facility shall gain drainage control of the stormwater runoff from all areas of industrial activity, including source materials, in accordance with Part IV Section F. 2. below.
- c. The permittee shall include a Drainage Control Plan as a section within the SPPP.
- d. The SPPP shall identify the BMPs that are in place to eliminate, reduce or minimize exposure.
- e. The SPPP shall demonstrate that upon implementation the stormwater discharges associated with industrial activity meet the permit conditions contained in Part III and Part IV of this permit.
- f. The SPPP shall address, but is not limited to, the following outside areas.
 - i. Outside vehicle/equipment fueling, maintenance and washing areas, and fuel storage (e.g., diesel fuel).
 - ii. Outside areas used for waste management/handling or storage of equipment (e.g., dumpsters, scrap metals, vehicle parts, drums, and garbage).
 - iii. Pavement and access roads needing repairs and unpaved surfaces with the potential to erode and discharge solids (soils and/or sediments) to surface waters.
 - iv. Catch basins, trench drains and roof drains discharging to surface waters.
 - v. Loading docks.
 - vi. Spills/leaks/non-stormwater discharges of fluid products, and raw material, vehicle coolants and lubricants, and other chemicals.
 - vii. Other areas/activities with stormwater discharges to surface water associated with industrial activity as defined by the Federal Rules (40 CFR 122.26 (b) (14) and contained by reference in the State Rules.
- g. The SPPP shall be prepared and implemented in accordance with good engineering practices and shall include, at a minimum, all of the items and information identified in Part IV. Section F.1., Attachment 1: Contents of the Stormwater Pollution Prevention Plan, and Site Specific BMPs required by this permit.
- h. The original SPPP shall be retained at the facility for use and Department inspection.

2. Drainage Control

- a. Drainage Control shall be established in all point source areas of industrial activity where there is exposure of stormwater to "source materials". In point source areas of industrial activity that cannot be diverted to a permitted outfall, the permittee shall do one of the following.
 - i. Convert the area(s) to "no discharge" area(s) and manage stormwater collected in the area(s) as industrial wastewater.

- ii. Eliminate industrial activity in these areas.
- b. Best Management Practices (BMPs) shall be established in all nonpoint source areas of industrial activity where there is exposure of stormwater to "source materials" (NPS1, NPS2, NPS3, NPS4).
- c. To establish drainage control, a facility shall.
 - i. Ensure that all "stormwater associated with industrial activity" as defined in N.J.A.C. 7:14A-1.2, is discharged through regulated outfalls to surface water discharge locations.
 - ii. separate the discharge of stormwater not associated with industrial activity (e.g. rooftop, employee parking, open space) from regulated discharges, where practicable.
- d. Outfall stabilization.
 - i. The permittee shall design, implement and maintain BMPs to prevent downstream erosion and sedimentation caused by stormwater, and/or process wastewater runoff at the outfalls.
 - ii. At a minimum, the BMPs shall meet the most recent technical standards listed in Standards for Soil Erosion and Sediment Control in New Jersey, Engineering Standards Section titles "Standards for Off-Site Stability".
 - iii. Where erosion at the outfall structure occurs the permittee shall restore the eroded areas to its previous condition.

3. Drainage Control Plan

- a. The facility shall develop and implement a Drainage Control Plan containing the following.
 - i. A written narrative.
 - ii. A drainage control map.
- b. The Drainage Control Plan shall be certified by a New Jersey licensed Professional Engineer.
- c. Elevations for the drainage control map shall be measured by a New Jersey licensed Surveyor.
- d. The written narrative shall describe how the facility will establish drainage control and shall include the following.
 - i. Facility name.
 - ii. NJPDES permit authorization number NJ0026671 and Program Interest I.D. number 46322.
 - iii. An alpha-numeric discharge serial number (e.g., DSN001A, DSN002A, DSN003A) for each of the surface water monitoring points and outfalls.
 - iv. The latitude and longitude for each of the monitoring points.
 - v. The name of all receiving water bodies and assigned New Jersey Surface Water Quality Standards' classification.
 - vi. A description of any proposed stormwater treatment.
- e. The written narrative shall also include a schedule with specific timeframes and interim milestones for developing and implementing all elements of the Drainage Control Plan.

- i. The schedule cannot exceed six (6) months from EDP for the development of DCP.
 - ii. The schedule cannot exceed eighteen (18) months from EDP for implementation of the DCP.
- f. Drainage control map shall be on an appropriate engineering scale, which is legible and clearly depicts the following information when applicable.
- i. Site boundary.
 - ii. A title block containing tax block and lot number.
 - iii. North directional arrow.
 - iv. Date prepared and subsequent revisions.
 - v. Elevations of existing drainage areas, including flow and drainage pattern.
 - vi. Final grading of drainage areas, including elevations and flow arrows showing the drainage to regulated outfalls.
 - vii. Location of flow diversion structures, treatment units.
 - viii. Location of surface water outfalls (regulated and unregulated) and discharge structures.
 - ix. Receiving waters and their location.
 - x. Areas of industrial activity (e.g., maintenance, fueling, equipment cleaning, storage).
 - xi. Access roads.
 - xii. Existing buildings and other structures.
 - xiii. Employee parking and customer parking.

4. Preparation of SPPP

- a. A Stormwater Pollution Prevention Plan (SPPP) shall be prepared to meet the requirements outlined in Part IV Section F & G of the permit and certified on a form provided by the Department.
- b. The deadline for the preparation of the SPPP and for the submittal of the certification is contained in Part IV Section D of the permit.

5. Implementation of the SPPP

- a. The SPPP shall be fully implemented in accordance with the terms and conditions of the permit and certified on a form provided by the Department.
- b. The deadline for the implementation of the SPPP and for the submittal of the certification is contained in Part IV Section D of the permit.

G. Site Specific Best Management Practices

1. BMP Design Criteria

- a. BMPs shall be designed, implemented and maintained to meet the effluent limitations in Part III tables.

- b. For monitoring only requirements BMPs shall be designed, implemented and maintained to achieve the following design criteria.
 - i. Total Organic Carbon (TOC) less than or equal to 50 mg/L.
 - ii. Total Suspended Solids (TSS) less than or equal to 50 mg/L.
- c. Failure to design, implement and maintain the BMPs identified in the SPPP to meet the design criteria concentration, or to make significant progress toward meeting the design criteria concentration, may be a violation of this permit. In addition this permit may be modified to replace effluent limitations for design criteria.

2. BMP - Equipment Maintenance and Repairs

- a. Maintain an organized inventory of materials used in the maintenance shop.
- b. Dispose of greasy rag, oil filters, air filters, batteries, spent coolant, and degreasers properly.
- c. Label and track the recycling of waste material (e.g., used oil, spent solvents, batteries).
- d. Drain oil filters before disposal or recycling.
- e. Store batteries in a non-leaking secondary containment.
- f. Promptly transfer used fluids to the proper container; do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.
- g. Do not pour liquid waste down floor drains, sinks or outdoor storm drain inlets.
- h. Plug floor drains that are connected to the storm or sanitary sewer; if necessary, install sump that is pumped regularly.
- i. Train employees on proper waste control and disposal procedures.

3. BMP - Material Handling: Liquid Storage and Containment

- a. Maintain good integrity of all storage tanks.
- b. Inspect storage tanks to detect potential leaks and perform preventative maintenance.
- c. Inspect piping systems (piping, pumps, flanges, couplings, hoses, valves) for failures or leaks.
- d. Train employees on proper filling and transfer procedures.

4. BMP - Material Handling: Containerized Material Storage

- a. Store containerized materials (fuels, solvents, etc.) in a protected, secure location and away from drains.
- b. Store reactive, ignitable, or flammable liquids in compliance with the local Fire Code.
- c. Identify potentially hazardous materials, their characteristics, and use.
- d. Keep records to identify quantity, receipt date, service life, users, and disposal routes.

- e. Secure and carefully monitor hazardous materials to prevent theft, vandalism, and misuse of materials.
- f. Educate personnel for proper storage, use, cleanup, and disposal of materials.
- g. Use spill troughs for drums with taps.

5. BMP - Fueling and Spills

- a. There shall be no residuals on vehicle or ground surfaces during or after fueling activities.
- b. All permanent fueling and liquid transfer areas shall be on impervious surfaces.
- c. All liquid transfer activities shall be conducted in containment areas with spill kits readily accessible, and where any spills shall be cleaned immediately after detection.
- d. Proper petroleum spill control and cleaning methods shall be implemented.
- e. Hosing spills to surface water is prohibited.
- f. Clearly identify and post standard operating procedures for fueling at all fueling areas.
- g. Trained authorized personnel must be present at fueling areas during all fueling and transfer activities.
- h. All fuel pumps shall have properly working shut-off valves.
- i. Routine inspections shall be conducted (recorded and with logs maintained at fueling areas and/or in SPPP) of the fueling areas to ensure proper maintenance and operation.
- j. Authorized personnel shall manually dispense fuel at all times.

6. BMP - Discharge of Stormwater from Secondary Containment

- a. The following BMP shall be implemented for discharging stormwater from secondary containment areas at the facility. The facility is only authorized to discharge stormwater when the following requirements are complied with.
 - i. Where the stormwater in the containment area does not come into contact with the contents of the wastewater storage tank(s).
 - ii. Where the discharge pipe/outfall from the containment area has a valve and that the valve remains closed at all times except when discharging stormwater, or any other discharge authorized by another NJPDES Permit.
 - iii. Where a visual inspection of the tank to insure the tanks physical integrity must be completed on a routine basis and an inspection log maintained.
 - iv. Where regular maintenance of the wastewater tank must be performed (e.g. painting, repair) to insure the tanks integrity.
 - v. Where a visual inspection of the stormwater is to be performed prior to the onset of a discharge to insure that the stormwater has not been contaminated by the contents of the tank or by other materials.
 - vi. Where alternative means for disposing the stormwater must be established for stormwater that has or is suspected to have been contaminated by the contents of the tank or by other materials.

7. BMP - Wash Water

- a. Pressure washing shall be only in a designated area where wash water containment can be effectively achieved.
- b. The facility shall insure that wash water is captured, properly disposed and may not be discharged to surface water.

8. BMP - Scrap Metal

- a. Bayway Refinery shall develop BMPs to handle and store scrap metal.

9. BMP - Salt Stockpile

- a. Road salt shall be stored in a covered building or berm the stockpile and properly cover it with tarp to minimize the exposure of salt to stormwater runoff.

10. BMP - Housekeeping

- a. Sweeping shall occur at least two (2) times a year of all paved areas, and monthly sweeping shall occur in maintenance areas, fueling areas and salt stockpile storage areas.
- b. A log shall be kept of sweeping activities which will be made part of the facility's SPPP.
- c. Bayway Refinery shall provide regular pickup and disposal of waste materials.
- d. Train employees about good housekeeping practices.

H. Custom Requirement